



CINT2000 Result

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Hewlett-Packard Company
ProLiant BL35p (AMD Opteron (TM) 275)

SPECint2000 = **1496**
SPECint_base2000 = **1457**

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Aug-2005 Hardware Avail: Jun-2005 Software Avail: Jun-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	116	1211	116	1211	
175.vpr	1400	117	1197	113	1238	
176.gcc	1100	67.8	1622	67.3	1635	
181.mcf	1800	179	1007	149	1209	
186.crafty	1000	69.9	1431	63.3	1579	
197.parser	1800	131	1376	131	1377	
252.eon	1300	59.8	2174	54.9	2370	
253.perlbnk	1800	122	1475	122	1475	
254.gap	1100	71.2	1545	93.8	1173	
255.vortex	1900	83.7	2271	84.2	2256	
256.bzip2	1500	128	1174	126	1190	
300.twolf	3000	202	1482	170	1768	

Hardware

CPU: AMD Opteron (TM) 275
CPU MHz: 2200
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 64KBI + 64KBD (on chip) per core
Secondary Cache: 1024KB(I+D) (on chip) per core
L3 Cache: N/A
Other Cache: N/A
Memory: 2x2048MB PC3200 CL3.0
Disk Subsystem: 1x60GB ATA100 5400RPM
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 8.0 Build 20040318Z)
Microsoft Visual Studio .NET 7.0.9466 (for libraries)
MicroQuill Smartheap Library 7.0
File System: NTFS
System State: Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast -arch:SSE2 -Oi- +FDO ONESTEP=yes
Base tuning for C++ programs: -fast -GX -GR +FDO ONESTEP=yes
Portability flags:
 176.gcc: -Dalloca=_alloca /F10000000
 186.crafy: -DNT_i386
 253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
 254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip: basepeak=yes
175.vpr: -fast -arch:SSE2 -Qoption,c,-ip_ninl_max_stats=2000
-Qoption,c,-ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes
176.gcc: -fast -arch:SSE2 -Oi- -Qunroll3 +FDO
181.mcf: -fast -QaxN +FDO ONESTEP=yes
186.crafty: -fast -arch:SSE2 +FDO ONESTEP=yes
197.parser: -arch:SSE2 -Oi- -Qipo +FDO ONESTEP=yes
252.eon: -fast -arch:SSE2 -Qansi_alias -Qoption,c,-ip_ninl_max_stats=2000
-Qoption,c,-ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes
253.perlbnk: basepeak=yes
254.gap: basepeak=yes
```



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Notes/Tuning Information (Continued)

255.vortex: -fast -arch:SSE -Oi- -Qoption,c,-ip_ninl_max_stats=2000
-Qoption,c,-ip_ninl_max_total_stats=4500 +FDO shlw32M.lib ONESTEP=yes
256.bzip2: -fast -Qunroll2
300.twolf: -fast -arch:SSE2 -Qansi_alias +FDO shlw32M.lib ONESTEP=yes
BIOS Configuration Notes
Node Interleaving Disabled
Other Configuration Notes
/NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.